

# **LWS PRE-FORMULATION STUDY DOCUMENTATION**

## **Context Statement**

The Goddard Space Flight Center, in response to direction from NASA/Headquarters, conducted the initial LWS Pre-Formulation Study. The charts and documentation included in this electronic file are for historical purposes and summarize the results of a 6-month effort to outline program objectives, identify scope, develop technical concepts, and provide rough order of magnitude costs. A set of missions was defined that would form the basis for the NASA proposed space weather research network.

The LWS Pre-Formulation Study documentation was divided into three volumes titled as follows:

- Volume 1: Program Architecture
- Volume 2: Mission Concept Descriptions
- Volume 3: Program Resource Analysis (Proprietary)

Volume 1 was released in draft form on March 31, 2000. It was revised and formally issued on July 14, 2000. The content of Volume 2 was released during the summer of 2000 and has now been modified to more fully describe each concept. Volume 3 was issued on May 31, 2000 in limited quantities.

It should be noted that pre-formulation begins a lengthy process to ultimately define a viable and affordable program. Since the time of this initial study, also referred to as the Pre-Definition Phase, technical and programmatic changes have been made as a result of independent science and architecture team reviews as well as further technical studies. A summary of significant events and current status is provided at the LWS program web site.

Respectfully Submitted,  
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June 18, 2002